

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENTDocket Number  
12178/2Application Number  
To Be AssignedFiling Date  
HerewithExaminer  
To Be AssignedArt Unit  
To Be AssignedInvention Title  
STEREOSTRUCTURE OF DECARBAMYLASE AND  
USES THEREOFInventor(s)  
Takahisa NAKAI, et al.Assistant Commissioner  
for Patents  
Washington, D.C. 20231

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicant hereby bring the following references to the attention of the Examiner. The references are listed on the attached modified PTO form 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed, except as otherwise indicated on the modified PTO form 1449.

Dated: February 28, 2002

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANTS PTO FORM 1449</b>	Atty. Docket No. 12178/2	Serial No. To Be Assigned
	Applicant(s) Takahisa NAKAI, et al.	
	Filing Date Herewith	Group To Be Assigned

## U. S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
	*WO 94/03613	February 17, 1994	PCT				
	*EP 677584	October 18, 1995	Europe				
	*EP 780473	June 25, 1997	Europe				

\* Copy of reference is not enclosed because reference is cited in Search Report (copy of reference provided by International Searching Authority).

## OTHER DOCUMENTS

EXAMINER'S INITIALS	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	*T. Nakai et al., "Crystal Structure of N-carbamyl-D-amino acid amidohydrolase with a novel catalytic framework common to amidohydrolases", Structure Fold. Des. Vol. 8 (7) July 2000, pp. 2991-3006
	*W. H. Hsu et al. "Expression crystallization and preliminary X-ray diffraction studies of N-carbamyl-D-amino acid amidohydrolase from <i>Agrobacterium radiobacter</i> ", Acta Crystallogr. D Biol. Crystallogr. Vol. 55 (part 3), March 1999, pp. 694-695
	*A. Buson et al., "Identification, sequencing and mutagenesis of the gene for a D-carbamoylase from <i>Agrobacterium radiobacter</i> ", FEMS Microbiol. Lett., vol. 145 (1), 1996, pp. 55-62
	*N. Declerck et al., "Hyperthermostable mutants of <i>Bacillus licheniformis</i> $\alpha$ -amylase: multiple amino acid replacements and molecular modelling", Protein Eng., vol. 8 (10), 1995, pp. 1029-1037
	*C. O. Pabo, "Computer-Aided Design of Thermostable Proteins", AD Rep., [AD-A-210 096] (1989)

\* Copy of reference is not enclosed because reference is cited in Search Report (copy of reference provided by International Searching Authority).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	